

## Curriculum Vitae

# Sahar Mohammed Ali

Mustansiriyah University – College of Science- Physics Department  
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### PERSONAL SUMMARY:

**Full Name:** Sahar Mohammed Ali  
**Date of Birth:** 7/1/1997  
**Place of Birth:** Baghdad, Iraq  
**Gender:** Female  
**Nationality:** Iraqi  
**Religion:** Moslem  
**Marital Situation:** Single  
**Workplace :** Mustansiriyah University



### EDUCATION:

1. B.Sc. Physics **2018**, College of Science, Mustansiriyah University, Iraq.  
**Grade: Very good (Order: 2nd/74 with average marks = 87.6 %)**
2. M.Sc. Physics, **2021**, College of Science, Mustansiriyah University, Iraq. [ M.Sc. education, physics, very good],  
**Grade: Very good (Order: 1<sup>st</sup>/20 with average marks = 88.6 %)**

### PRACTICAL EXPERIENCE:

- 1) Synthesis of II-VI compound semiconductor for water purification, especially ZnO nanostructures.
- 2) I-V and C-V measurements.
- 3) Photoluminescence (PL) measurements.
- 4) Structural and optical properties characterization.
- 5) Characterization of photocatalytic behavior of semiconductors.

### PUBLICATIONS:

1. Photocatalytic Activity of ZnO/NiO Nano-heterojunction Synthesized by Modified-Chemical Bath Deposition, *Nano Futures; Clarivate, Scopus Q1, 5(3), 035001 (2021)*, (DOI: <https://doi.org/10.1088/2399-1984/ac1dba> ).
2. Comparison Between Photoactivity of ZnO/NiO Nanostructures Synthesized by CBD and Modified -CBD for Rhodamine B Removal, *Al-Mustansiriyah Journal of Science; Local, 32(4), (2021)*. (DOI: <http://doi.org/10.23851/mjs.v32i4.1050>).

3. Modified-Hydrothermal Synthesis of ZnO/NiO Nano-heterojunction for the Enhancement of Photocatalytic Activity, *Acta Physica Polonica A; Clarivate, Scopus,140 (4), 327 (2021).*  
(DOI: [10.12693/APhysPolA.140.327](https://doi.org/10.12693/APhysPolA.140.327))

### **ACADEMIC HONORS AND AWARDS:**

Gaining several appreciation and thanks documents by the Master President of Mustansiriyah University.

### **skills**

- The use of electronic platforms such as (Google Class room and Edmodo), as well as the use of the zoom and the Google meetings.
- The use origin lab software.
- The use Microsoft office software such as (Word, PowerPoint, and Exile).